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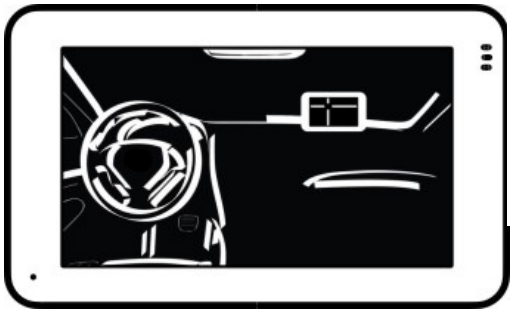
Tomorrow's Technology, Today



x*TAB*

PELCO Touchpad Control System

USER MANUAL

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Safety Notes

> PC USB CONNECTION MIGHT BURN THE DEVICE!

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Introduction

Portable Touchpad Control System (hereinafter referred to as touchpad) is an innovative product that integrates both monitor and controller; it is specially designed for mobile surveillance use. With RS485 data communication and PELCO-D/P protocols, Baud Rate adjustable: 2400bps, 4800bps, 9600bps, 19200bps. The touchpad can control up to 255 cameras at the same time

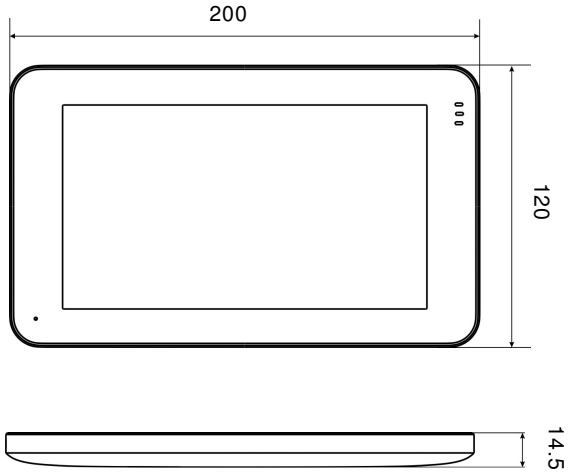
Features

- 7" brilliant LCD with 1.6 million colors;
- Capacitive touch screen that supports multi-touch controls as Tap / Drag / Pinch and etc;
- Working temperature：0℃～+40℃;
- With short cuts of mostly-used commands;
- 256 presets;
- Support PELCO-D/PELCO-P, self-adaptive;
- 256 address;
- Baud rate adjustable, self-adaptive;
- RS485 control;
- Remote firmware upgrade;

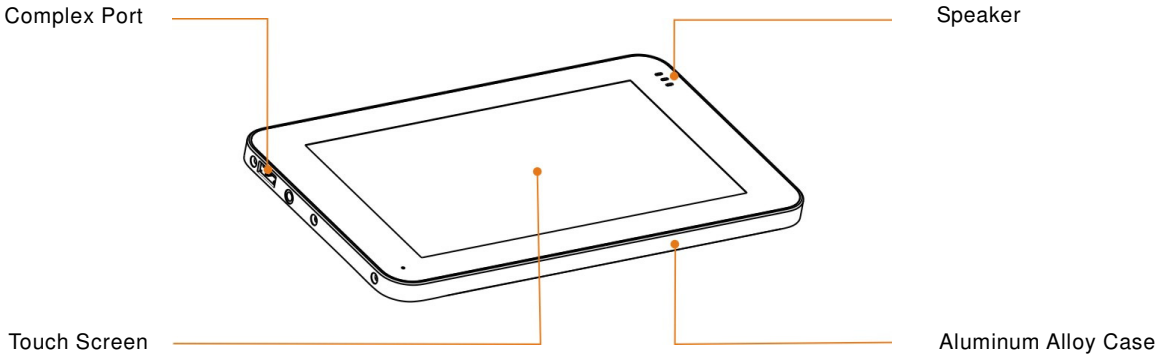
xTAB Specifications

Model	PELCOTAB
Screen Size	7.0” Multi-Touch Screen
Screen Type	TFT
Resolution	800*480
Screen Color	16 Million Color
Screen Ratio	16:9
Screen Description	Capacitive touch screen， Support 2-point--touch control
OSD	English
Input Voltage	9~16V
Power	4W
Presets	256
Comm. Port	RS-485
Protocol	PELCO-D/PELCO-P
Baud Rate	2400bps, 4800bps, 9600bps, 19200bps,
Address	0～255
Operate Temperature	0℃~40℃
Weight	0.42KG

Dimension （Unit: mm）



Product View

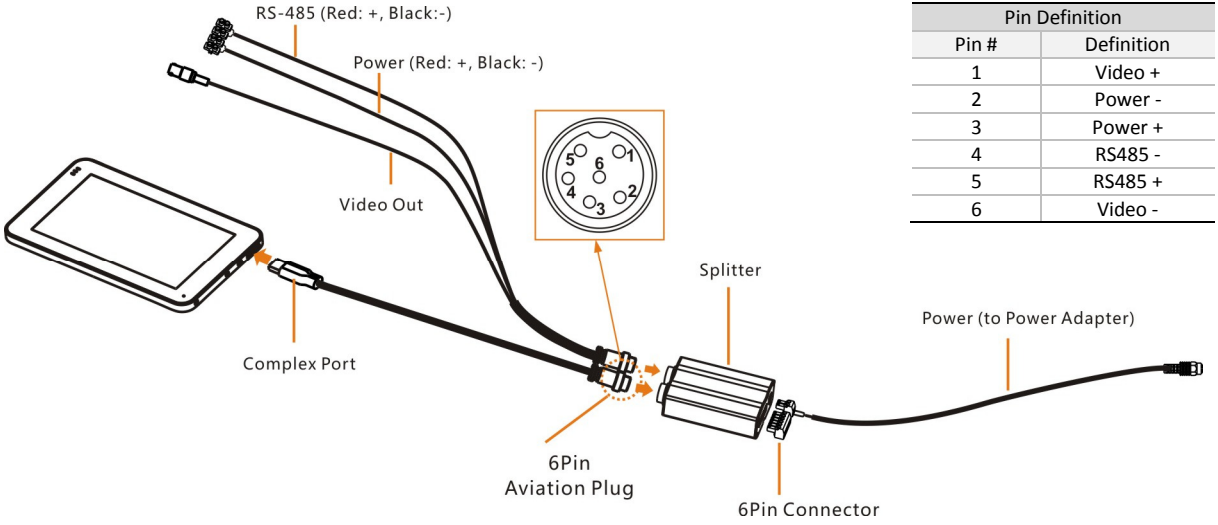


Connection and setting instruction

Connection

Connect the touchpad to camera with the cable supplied.

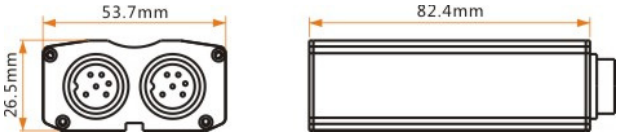
[Note] Make sure all interfaces are connected to correct ports; wrong connection may cause damage to the device.



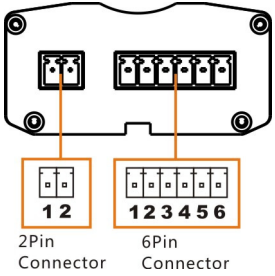
Pin Definition	
Pin #	Definition
1	Video +
2	Power -
3	Power +
4	RS485 -
5	RS485 +
6	Video -

SPLITTER

Dimensions:

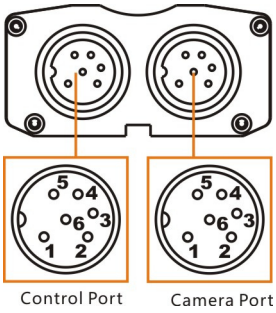


Rear View



Interface	#	Definition
2 Pin	1	12V IN
	2	GND
6 Pin	1	VIDEO OUT
	2	VGND
	3	485 -
	4	485+
	5	GND
	6	12V OUT

Power Interface

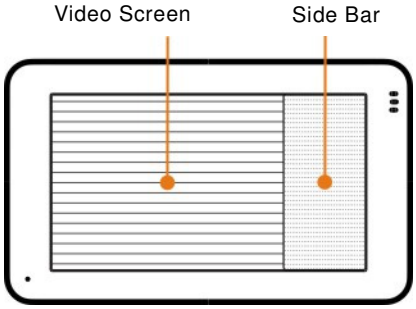


Port	#	Defition
Control Port	1	VIDEO OUT
	2	GND
	3	12V OUT
	4	485 -
	5	485+
	6	VGND
Camera Port	1	VIDEO IN
	2	GND
	3	12V OUT
	4	485 -
	5	485+
	6	GND

Parameters setting

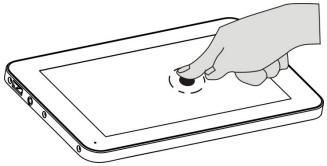
The touchpad works with DC9~12V voltage input. After powered on, the video will display on the left side, while the functional interfaces (side bar) on the right side.

The screen will display cameras video if cables are correctly connected; otherwise, it does not show anything , see below picture.



Set address, protocol and baud rate of the touchpad exactly the same as the camera's settings. (Please refer to page 21 for setting instructions).

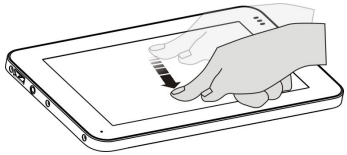
Basic touch controls



Tap

Select icon or option.

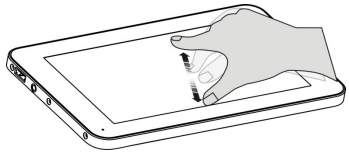
Tap the video screen one time to open, switch on or off the relative functions.



Drag

Control direction of camera movement.

The more force put on video screen, the faster camera will move. Once finger is released from the screen, camera will be stopped from moving; keep the finger on the screen, the camera will keep moving.



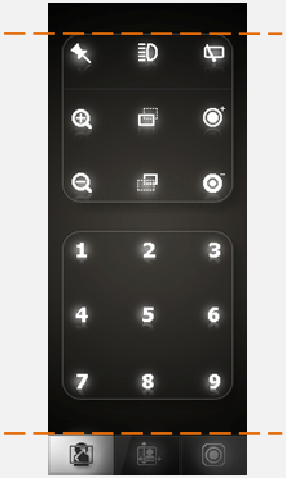
Pinch

Zoom in or zoom out.

To magnify or minify the size of objects on the video screen: put two fingers on the screen and spread them apart slowly or bring them together.

Menu instruction

Control sidebar layout

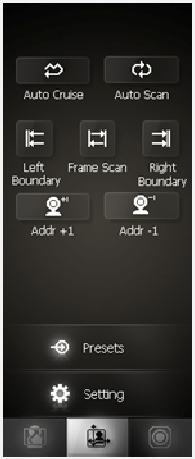


Status Bar: Display status of some functions

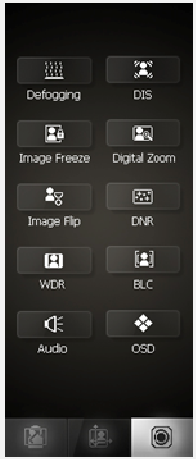
Command Bar: Control commands

Menu Bar: Other menu options

Shortcut menu interface



PTZ control interface



Lens control interface

Shortcut Menu

PTZ Control

Lens Control

Menu Bar

Shortcut Menu

- Tap （Shortcut Menu）.

  Switch among menu options and set.

PTZ Control

- Tap （PTZ Control）.

  Switch among menu options and set.

Lens Control

- Tap （Lens Control）.

  Switch among menu options and set.

	3D Positioning (reserved)		Light Control		Wiper
	Zoom in		Focus Near		IRIS Open
	Zoom out		Focus Far		IRIS Close

Shortcut Menu

[3D Position]

- Tap （Shortcut Menu）→（3D Positioning）.

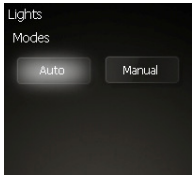
【**Note**】This option is not available currently.

[Light Control]

- Tap （Shortcut Menu）→（Light Control）→Auto（Auto mode）/ Manual（Manual Mode）.

Auto Modes:

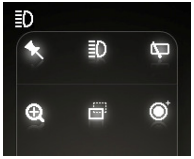
When in auto mode, the light of camera will automatically turn on in mono mode and automatically turn off in color mode. (The IR lights cannot be opened / closed manually in this mode). When the camera is in mono mode, the lights will automatically turn on; when in color mode, the lights will automatically turn off.



Manual Modes:

Switch lights to Manual modes, the lights can be controlled manually between low bead and high bead. At current mode, tap [Manual], the camera will switch between color mode and mono mode.

After the low bead light or high bead light is turned on. The relative light icons will be displayed on the screen. (See picture for reference of high bead light's being turned on).



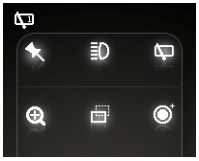
- Saved Setting（Return to the previous menu）.

[Wiper]

- Tap（Shortcut Menu）→（Wiper）.

Instruction:

- Tap（Wiper）——"Regular Speed", the wiper icon " " will be displayed.



- Tap（Wiper）again——"High Speed", the wiper icon" " will be displayed

- Tap （Wiper）the third time——"Stop", the wiper will be stopped and the icon will disappear.

[Note] If the camera suddenly powers down when the wiper is still working, the icon of wiper will still remain on the screen as "ON", tap （Wiper） again after booting up the camera, the icon will disappear.

[Zoom In]

- Tap (Shortcut Menu) → (Zoom in).

Instruction:

Tap (Zoom in) keep the icon tapped to adjust zoom wide to get desired zoom, the image will be magnified till it reaches the maximal zoom.

[Note] To magnify or minify size of objects on the screen, simply place two fingers on the screen and spread them apart or bring them together. The camera's pan and tilt speed is very slow when at zoom-in mode.

[Zoom Out]

- Tap (Shortcut Menu) → (Zoom out).

Instruction:

Refer to [Zoom in] instructions.

[Focus Near]

- Tap (Shortcut Menu) → (Focus Near).

Instruction:

Tap (Focus Near), keep the icon tapped till the camera gets the best image.

[Note] As the auto focus function is always on, a manual setting using NEAR or FAR will continue until a new pan, tilt or zoom action is activated. Afterwards, auto focus will adjust focus again automatically.

[Focus Far]

- Tap (Shortcut Menu) → (Focus Far).

Instruction:

Refer to [Focus Near] instructions.

[IRIS Open]

- Tap (Shortcut Menu) → (IRIS Open).

Instruction:

Tap (IRIS Open). The camera's iris level will increase and the image will get brighter.

[Note] After rebooting the camera, the Iris value will be reset to system defaults.

[IRIS Close]

- Tap (Shortcut) → (IRIS Close).

Instruction:

Refer to [IRIS Open].

1	Preset 1	2	Preset 2	3	Preset 3
4	Preset 4	5	Preset 5	6	Preset 6
7	Preset 7	8	Preset 8	9	Preset 9

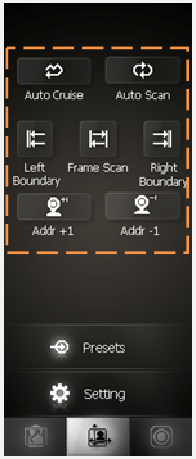
[Presets]

- Tap（Shortcut Menu）→**1**（Preset 1）/ **2**（Preset 2）/ **3**（Preset 3）.....**9**（Preset 9）.

Instruction:

To call preset: tap the relative preset Num icon, the camera will go to the saved preset. The presets must be saved beforehand, otherwise, the camera will not move.

[Note] The preset 1 to preset 9 are commonly used, it is suggested that their positions are saved in advance.



Auto Cruise

Auto Scan

Address +1

Address -1

Left Boundary

Frame Scan

Right Boundary

PTZ

[Auto Cruise]

- Tap（PTZ）→（Auto Cruise）.

Instruction:

The camera will automatically switch among saved presets at a specified interval sequentially.

[Note] This function is available only for 0~20 presets. Auto cruise will continue until a new pan, tilt or zoom action is activated.

[Auto Scan]

- Tap（PTZ）→（Auto Scan）.

Instruction:

Camera starts auto scan at the horizontal direction.

[Note] Auto scan will continue until pan, tilt or zoom action is activated.

[Left Boundary]

Set Left Boundary of a Frame Scan.

- Tap （PTZ）→move the camera to a required position→（Left Boundary）.

- （Set）Save left boundary.
- （Delete）Delete left boundary.
- （Call）Call left boundary.
- （Back）Exit current operation interface.

Instruction:

The left boundary must be saved before Frame Scan can be activated. In Frame Scan mode, the camera cannot pan over the saved left boundary.

[Right Boundary]

Refer to [Left Boundary] Setting.

[Frame Scan]

- Tap（PTZ）→（Frame Scan）.

Instruction:

The camera starts scanning between the saved left boundary and right boundary at the horizontal direction.

[Note] This function cannot be activated without setting left boundary and right boundary in advance. Frame scan will continue until a new pan, tilt or zoom action is activated.

[Address +1]

- Tap（PTZ）→（Address +1）.

Instruction:

Original address +1 (the camera must support to set soft address) .

[Note] The new address will take into effect after the camera is rebooted.

[Address -1]

- Tap（PTZ）→（Address -1）.

Instruction:

Original address -1 (the camera must support to set soft address) .

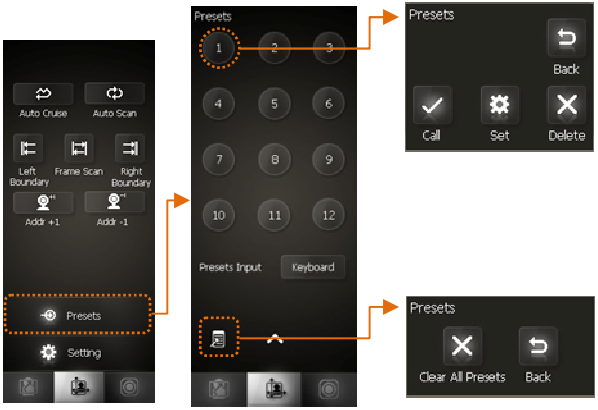
[Note] The new address will take into effect after the camera is rebooted.

Presets

Setting

[Presets]

- Tap（PTZ）→ Presets→ Pan/Tilt the camera to required position→1（Preset 1）/ 2（Preset 2）/ 3（Preset 3）/.....12（Preset 12）.



- （Set）Saved setting.
- （Delete）Delete the presets
- （Call）Call the saved preset.
- （Back）Exit current operation interface.

Instruction:

Preset function is that camera saves current pan angel, tilt angle of pan/tilt and zoom parameters into memory. Call this preset to move camera to that position accordingly.

- Tap（Presets）→（Clear All Presets）/（Back）.
- Tap（Return to previous menu）.

[Preset Input]

- Tap（PTZ）→ Keyboard →Pan/Tilt the camera to the required position→ Set the presets by taping number key.

Instruction:

Preset numbers >12 must be input by Keyboard . 0~255 presets are supported.

- ⚙（Set）Saved setting.
- ✕（Delete）Delete the saved preset.
- ✓（Call）Call the saved preset.
- ⮌（Back）Exit current operation interface.

[Protocol]

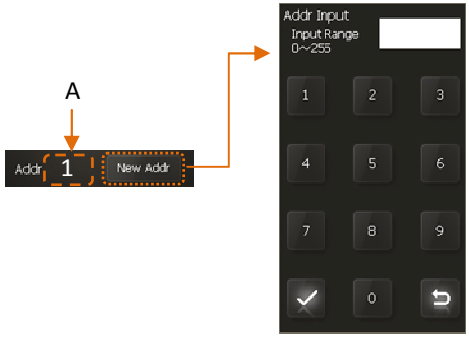
- Tap（PTZ）→ ⚙ Setting→（Pelco-D）/（Pelco-P）Optional.

[Baud Rate]

- Tap（PTZ）→ ⚙ Setting→ 2400 （2400bps） / 4800(4800bps) / 9600(9600bps) / 19200 （19200bps） Optional.

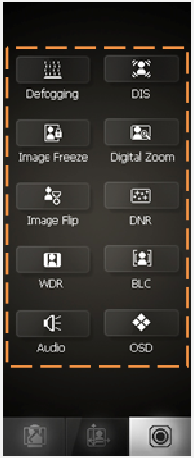
[Address]

- Tap（PTZ）→ ⚙ Setting→ Input New Address →Tap the number key and set address accordingly.



- ✓（SAVE）.
- ⮌（Exit the current operation interface）.

[Note] Currently activated address was displayed at “A” area of touchpad controller, see above picture.



	Defogging		DIS
	Image Freeze		Digital Zoom
	Image Flip		DNR
	WDR		BLC
	Audio		OSD

Lens

Below icons are displayed on the screen with corresponding function.

[Defogging]

- Tap（Lens）→（Defogging）.

Function:

Start defogging device to heat up the camera when lens is foggy or wet.

[DIS]

- Tap（Lens）→（DIS）.

Instruction:

Start the digital image stabilization when the camera is used in rugged working environment.

[Image Freeze]

- Tap（Lens）→（Image Freeze）.

Instruction:

When calling a preset, the image will be frozen at the starting position until the saved position. Once the saved position is reached, the image returns to norma.

[Digital Zoom]

- Tap（Lens）→（Digital Zoom）.

Instruction

Tap Digital Zoom button to enable digital zoom function.

[Image Flip]

- Tap （Lens）→（Image Flip）.

Instruction:

Tap Image Flip button to flip the image 180º upside down.

[DNR]

- Tap（Lens）→（DNR）.
- Tap again (DNR). It provides selections of 5 noise-reduction levels, from level 1 to level 5. Tap DNR again to switch between the levels or close this function.

Instruction:

With DNR on, the camera can provide clear view even there are big contrast or backlight on image.

[WDR]

- Tap（Lens）→（WDR）.

Instruction:

A camera is intended to provide clear images even under back light circumstances where intensity of illumination can vary excessively, when there are both varied bright and varied dark areas shown simultaneously in the field of view.

[BLC]

- Tap（Lens）→（BLC）.

Instruction:

The camera uses the center of the image to adjust the iris. If there is a bright light source outside this area, it will wash out to white. The camera will adjust the iris so that the object in the sensitive area is properly exposed.

[Audio]

- Tap（Lens）→（Audio）.

Instruction:

Turn ON/OFF all audio of touchpad controller.

[OSD]

- Tap（Lens）→（OSD）.

Instruction:

Turn ON/OFF the OSD menu.

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